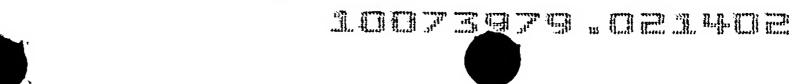
Country

Name (Print/Type)

Signature

Mark J. Hyman



Code

Date

Registration No. (Attorney/Agent)

Fax

46,789

February 14, 2002

PTO/SB/05 (03-01) Please type a plus sign (+) inside this box — Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. UTILITY Attorney Docket **PTZ31C1** PATENT APPLICATION **First Inventor** Rosen et al. **TRANSMITTAL** Nucleic Acids, Proteins, and Antibodies Express Mail Label (Only for new nonprovisional applications under 37 CFR 1.53(b)) **Box Patent Application APPLICATION ELEMENTS** ADDRESS TO: Commissioner for Patents See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or 7. (Submit an original, and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission 8. See 37 CFR 1.27. (if applicable, all necessary) X Specification [Total Pages 394 Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the invention - Cross Reference to Related Applications X CD-ROM or CD-R (2 copies); or paper - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, c. X Statements verifying identity of above copies or a computer program listing appendix - Background of the Invention **ACCOMPANYING APPLICATIONS PARTS** - Brief Summary of the Invention - Brief Description of the Drawings (if filed) 9. Assignment Papers (cover sheet & document(s)) - Detailed Description - Claim(s) 37 CFR 3.73(b) Statement Associate Power of 10. - Abstract of the Disclosure (when there is an assignee) Attorney Drawing(s) (35 U.S.C. 113) [Total Sheets English Translation Document (if applicable) 11. Copies of IDS Information Disclosure Oath or Declaration 5 [Total Pages 12. Statement (IDS)/PTO-1449 Citations Newly executed (original or copy) 13. Preliminary Amendment Copy from a prior application (37 CFR 1.63(d)) Return Receipt Postcard (MPEP 503) 14. (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) 15. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). inventor(s) named in the prior application, 16. see 37 CFR 1.63(d)(2) and 1.33(b). Applicant must attach form PTO/SB/35 or its equivalent. 1. Statement Under 37 C.F.R. § 1.821 17. Other: 2. Transmittal and Submission Under 37 X Application Data Sheet. See 37 CFR 1.76 (7 pages) C.F.R. §§ 1.824 and 1.52(e) 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) Continuation Divisional of prior application No.: 09/764,885 Prior application information: Examiner Clow, L. 1631 Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS **Customer Number or Bar Code** Correspondence address 22195 or Label below Name Address Zip City State

Telephone







PTO/SB/17 (11-01)

February 14, 2002

Date

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## U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Not Yet Assigned Application Number Herewith for FY 2002 Filing Date Rosen et al. First Named Inventor Patent fees are subject to annual revision. Not Yet Assigned **Examiner Name** Application claims small entity status. See 37 CFR 1.27 Not Yet Assigned **Group Art Unit PTZ31C1** TOTAL AMOUNT OF PAYMENT 896.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Credit Money 3. ADDITIONAL FEES Check Other None Order Deposit Account X Large Entity Small Entity Deposit 08-3425 Fee Fee Fee Fee Account Fee Description (\$) Code Code (\$) Fee Paid Number Deposit 105 130 205 65 Surcharge - late filing fee or oath Human Genome Sciences, Inc. Account Name Surcharge – late provisional filing fee or cover 25 127 50 227 The Commissioner is hereby authorized to: (check all that apply) sheet. X | Credit any overpayments Charge fee(s) indicated below 139 130 139 130 Non-English specification Charge any additional fee(s) during the pendency of this 147 2,520 147 2,520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 920\* 112 920\* 112 Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 113 1,8401 113 1,840\* Examiner action **FEE CALCULATION** 115 110 215 55 Extension for reply within first month 1. BASIC FILING FEE 116 400 216 200 Extension for reply within second month 217 Large Entity Small Entity 117 920 460 Extension for reply within third month Fee Fee Fee Fee 1,440 **Fee Description** 218 118 720 Extension for reply within fourth month Fee Paid (\$) (\$) Code Code 740.00 740 201 370 Utility filing fee 128 1,960 228 980 Extension for reply within fifth month 101 320 219 106 330 206 165 Design filing fee 119 160 Notice of Appeal 107 510 207 255 Plant filing fee 120 320 220 160 Filing a brief in support of an appeal 108 740 208 370 Reissue filing fee 121 280 221 140 Request for oral hearing 160 214 Provisional filing fee 138 138 Petition to institute a public use proceeding 114 1,510 1,510 110 240 140 55 Petition to revive – unavoidable SUBTOTAL (1) 740.00 1,280 241 640 141 Petition to revive - unintentional 1,280 242 640 Utility issue fee (or reissue) 142 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Extra 460 Fee Paid Design issue fee 143 243 230 Claims below Total Claims -20\*\* = 72.00 24 4 18.00 144 620 244 310 Plant issue fee Independent 1 122 130 122 84.00 84.00 130 Petitions to the Commissioner Claims 123 50 123 Processing fee under 37 CFR 1.17(q) 50 Multiple Dependent 126 Submission of Information Disclosure Stmt 180 126 180 **Small Entity** Large Entity Fee Fee Fee Fee Recording each patent assignment per **Fee Description** 581 40 581 40 Code (\$) Code (\$) property (times number of properties) Filing a submission after final rejection 103 18 203 9 Claims in excess of 20 146 740 246 370 (37 CFR 1.129(a)) 102 202 Independent claims in excess of 3 84 42 For each additional invention to be 149 740 249 370 Multiple dependent claim, if not paid 104 280 204 examined (37CFR 1 129(b)) \*\* Reissue independent claims 109 84 209 179 740 279 370 Request for Continued Examination (RCE) over original patent Request for expedited examination 900 900 169 169 of a design application \*\* Reissue claims in excess of 20 110 18 210 and over original patent Other fee (specify) SUBTOTAL (2) (\$) 156.00 \*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00 \*\*or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No. Telephone (240) 314-1224 Name (Print/Type) | Mark J. Hyman 46,789 (Attorney/Agent)



Signature